

ABSTRACT OF THE DISCLOSURE

~~In a data transmission/reception apparatus 11, a data transfer is performed by a pipeline technique between N processing sections Pd_1 to Pd_N. The~~ A data transmission/reception apparatus for performing a data transfer by a pipeline technique between N processing sections including 11 includes (N-1) or more intermediary sections_21, each having Each intermediary section includes a transmission/reception control section 23 for controlling data transmission/reception, and a buffer-27. The intermediary sections 21 interconnect adjoining first and second data processing sections Pd_1 and Pd_2 to allow data obtained through the data process performed by the first data processing section Pd_1 to be transmitted to the second data processing section. A transmission API 35a in the first data processing section Pd_1 transmits data to the second data processing section Pd_2. A and a reception API 37b in the second data processing section Pd_2 receives the data transmitted from the second data processing section Pd_2.